

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 032666woMehm	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 03/12517	International filing date (day/month/year) 10/11/2003	(Earliest) Priority Date (day/month/year) 08/11/2002
Applicant NEXTTEC GMBH		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 9 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☒ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/12517

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J20/32 G01N30/48 B01D15/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J B01D G01N C12N C12Q C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, COMPENDEX, INSPEC, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y ✓	DATABASE WPI Section Ch, Week 199807 Derwent Publications Ltd., London, GB; Class A89, AN 1998-075292 XP002277064 & RU 2 080 905 C (BIOORGANIC CHEM INST), 10 June 1997 (1997-06-10) abstract	1,2,6-9, 12, 14-18,21
Y ✓	WO 01/96556 A (PROMETIC SCIENCES) 20 December 2001 (2001-12-20) page 4, line 29 - line 33 page 4, line 8 - line 10 page 4, line 19 page 6, line 1 - line 10 page 10; example 9 claim 10	1,2,6-9, 12, 14-18,21



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

19 May 2004

Date of mailing of the international search report

03/06/2004

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/12517

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A ✓	US 5 079 155 A (G.B. COX) 7 January 1992 (1992-01-07) column 4, line 53 - line 56 column 4, line 63 - column 5, line 2 column 5, line 45 - line 50 column 8, line 6 - line 10 column 9, line 7 - line 25 ---	3,22,23
A ✓	EP 0 621 074 A (E.I DU PONT DE NEMOURS AND COMPANY) 26 October 1994 (1994-10-26) column 3, line 14 - line 18 column 7, line 31 - line 50 ---	1,3,6,7, 9,16-18, 20,21
A ✓	DATABASE WPI Section Ch, Week 199627 Derwent Publications Ltd., London, GB; Class A14, AN 1996-267181 XP000222720 & SU 1 839 325 A (BIO-ORG CHEM INST), 10 November 1995 (1995-11-10) abstract ---	1,2,6-8, 12, 15-18,21
A ✓	DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; November 1998 (1998-11) KAPUSTIN D V ET AL: "Composite fluoropolymer-containing sorbents for isolation and purification of biopolymers" Database accession no. PREV199900110788 XP000217877 abstract & BIOORGANICHESKAYA KHIMIYA, vol. 24, no. 11, November 1998 (1998-11), pages 868-876, ISSN: 0132-3423 ---	1,2, 16-18,21
A ✓	WO 00/41807 A (MIRA DIAGNOSTICA GMBH) 20 July 2000 (2000-07-20) claims 1,2,7-9 A & EP 1 148 945 B (NEXTEC) 18 December 2002 (2002-12-18) cited in the application claims 1,2,7-9 ---	1,2,6,7, 16-18, 20,21
A ✓	EP 0 535 376 A (IMMUNOBION LTD) 7 April 1993 (1993-04-07) claims 1,8,9,12 ---	1,11,16, 19
A ✓	US 4 160 728 A (J.J. KIRKLAND) 10 July 1979 (1979-07-10) column 6, line 57 - line 61 column 2, line 42 - line 48 ---	4,5

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INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A ✓	US 5 522 994 A (J.M.J. FRECHET) 4 June 1996 (1996-06-04) column 5, line 8 - line 15 column 5, line 57 ----	4,5
A ✓	EP 0 648 777 A (BECTON DICKINSON CO) 19 April 1995 (1995-04-19) -----	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP 03/12517

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/12517

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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Information on patent family members

International Application No

PCT/EP 03/12517

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